EXAMPLES OF CQI VALUES

CQI VALUE	TRANSPORT BLOCK SIZE	NUMBER OF HS-PDSCH	MODULATION
0	0	0	No
1	137	1	QPSK
2	173	1	QPSK
3	233	1	QPSK
4	317	1	QPSK
5	377	1	QPSK
6	461	1	QPSK
7	650	2	QPSK
8	792	2	QPSK
9	931	2	QPSK
10	1262	3	QPSK
11	1483	3	QPSK
12	1742	3	QPSK
13	2279	4	QPSK
14	2583	4	QPSK
15	3319	5	QPSK
16	3365	5	16-QAM
17	4189	5	16-QAM
18	4664	5	16-QAM
19	5287	5	16-QAM
20	5887	5	16-QAM
21	6554	5	16-QAM

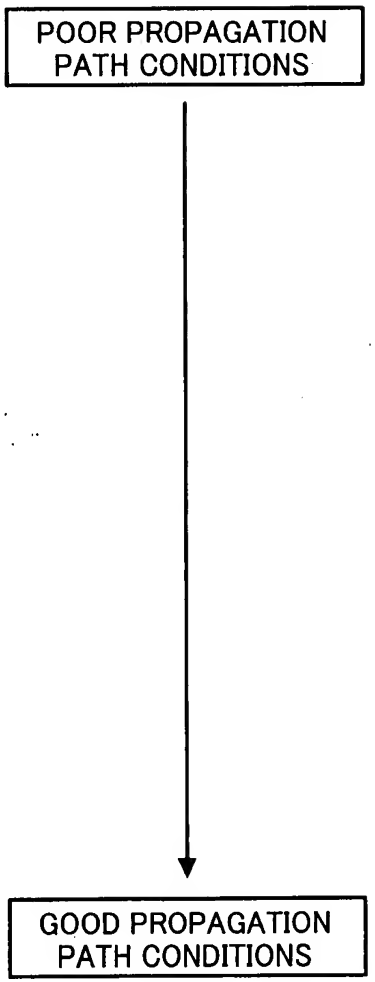

FIG.1

10/521243

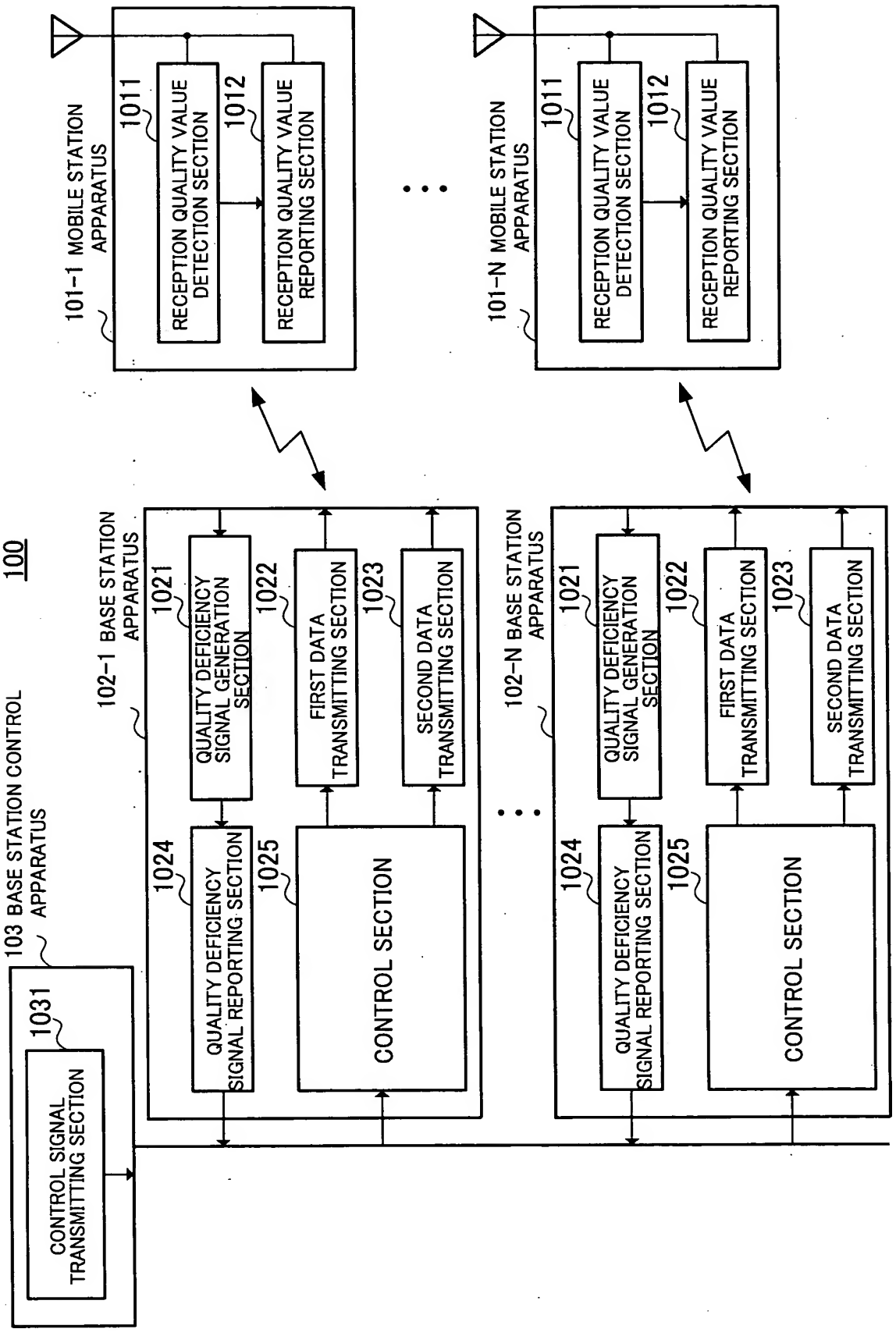
100
103 BASE STATION CONTROL APPARATUS
1031
CONTROL SIGNAL TRANSMITTING SECTION
102-1 BASE STATION APPARATUS
1021
QUALITY DEFICIENCY SIGNAL GENERATION SECTION
1022
FIRST DATA TRANSMITTING SECTION
1023
SECOND DATA TRANSMITTING SECTION
1024
QUALITY DEFICIENCY SIGNAL REPORTING SECTION
1025
CONTROL SECTION
102-N BASE STATION APPARATUS
1021
QUALITY DEFICIENCY SIGNAL GENERATION SECTION
1022
FIRST DATA TRANSMITTING SECTION
1023
SECOND DATA TRANSMITTING SECTION
1024
QUALITY DEFICIENCY SIGNAL REPORTING SECTION
1025
CONTROL SECTION
101-1 MOBILE STATION APPARATUS
1011
RECEPTION QUALITY VALUE DETECTION SECTION
1012
RECEPTION QUALITY VALUE REPORTING SECTION
101-N MOBILE STATION APPARATUS
1011
RECEPTION QUALITY VALUE DETECTION SECTION
1012
RECEPTION QUALITY VALUE REPORTING SECTION

FIG.2

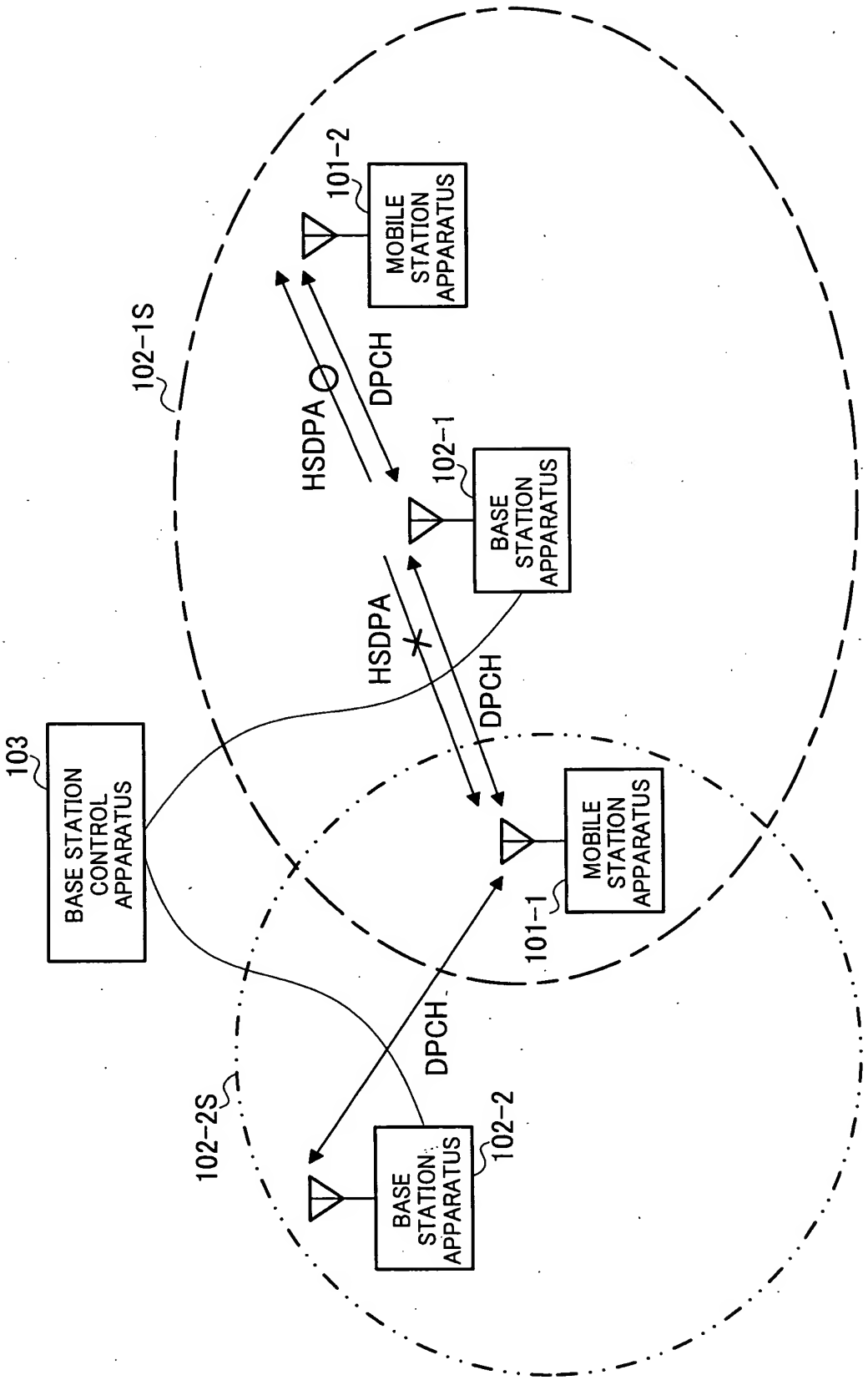
BASE STATION CONTROL APPARATUS
103
102-1S
102-2S
MOBILE STATION APPARATUS
101-2
MOBILE STATION APPARATUS
101-1
BASE STATION APPARATUS
102-1
BASE STATION APPARATUS
102-2
HSDPA
DPCH
HSDPA
DPCH
DPCH

FIG.3

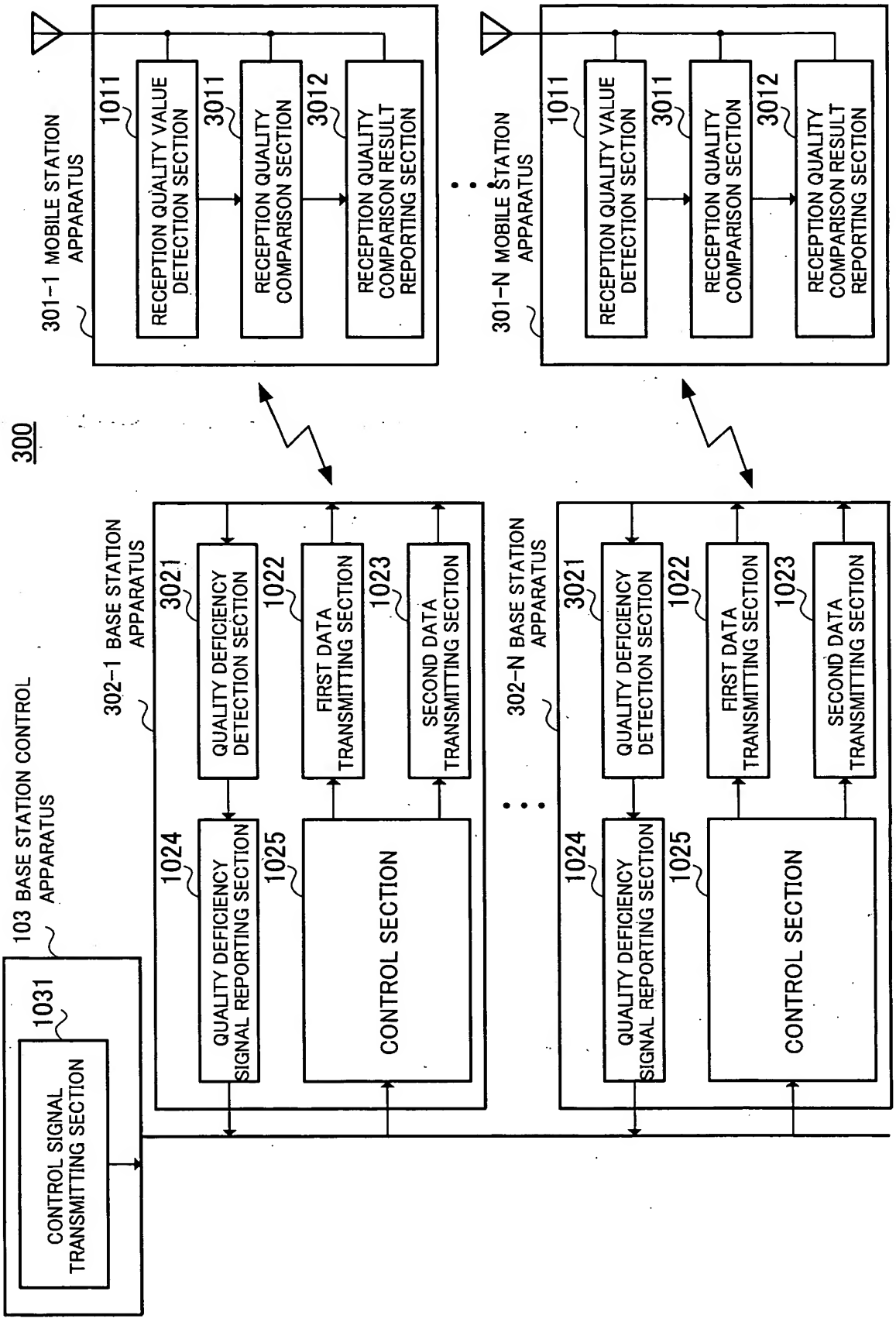
300
103 BASE STATION CONTROL APPARATUS
1031
CONTROL SIGNAL TRANSMITTING SECTION
302-1 BASE STATION APPARATUS
3021
QUALITY DEFICIENCY DETECTION SECTION
1022
FIRST DATA TRANSMITTING SECTION
1023
SECOND DATA TRANSMITTING SECTION
1024
QUALITY DEFICIENCY SIGNAL REPORTING SECTION
1025
CONTROL SECTION
302-N BASE STATION APPARATUS
3021
QUALITY DEFICIENCY DETECTION SECTION
1022
FIRST DATA TRANSMITTING SECTION
1023
SECOND DATA TRANSMITTING SECTION
1024
QUALITY DEFICIENCY SIGNAL REPORTING SECTION
1025
CONTROL SECTION
301-1 MOBILE STATION APPARATUS
1011
RECEPTION QUALITY VALUE DETECTION SECTION
3011
RECEPTION QUALITY COMPARISON SECTION
3012
RECEPTION QUALITY COMPARISON RESULT REPORTING SECTION
301-N MOBILE STATION APPARATUS
1011
RECEPTION QUALITY VALUE DETECTION SECTION
3011
RECEPTION QUALITY COMPARISON SECTION
3012
RECEPTION QUALITY COMPARISON RESULT REPORTING SECTION

FIG.4

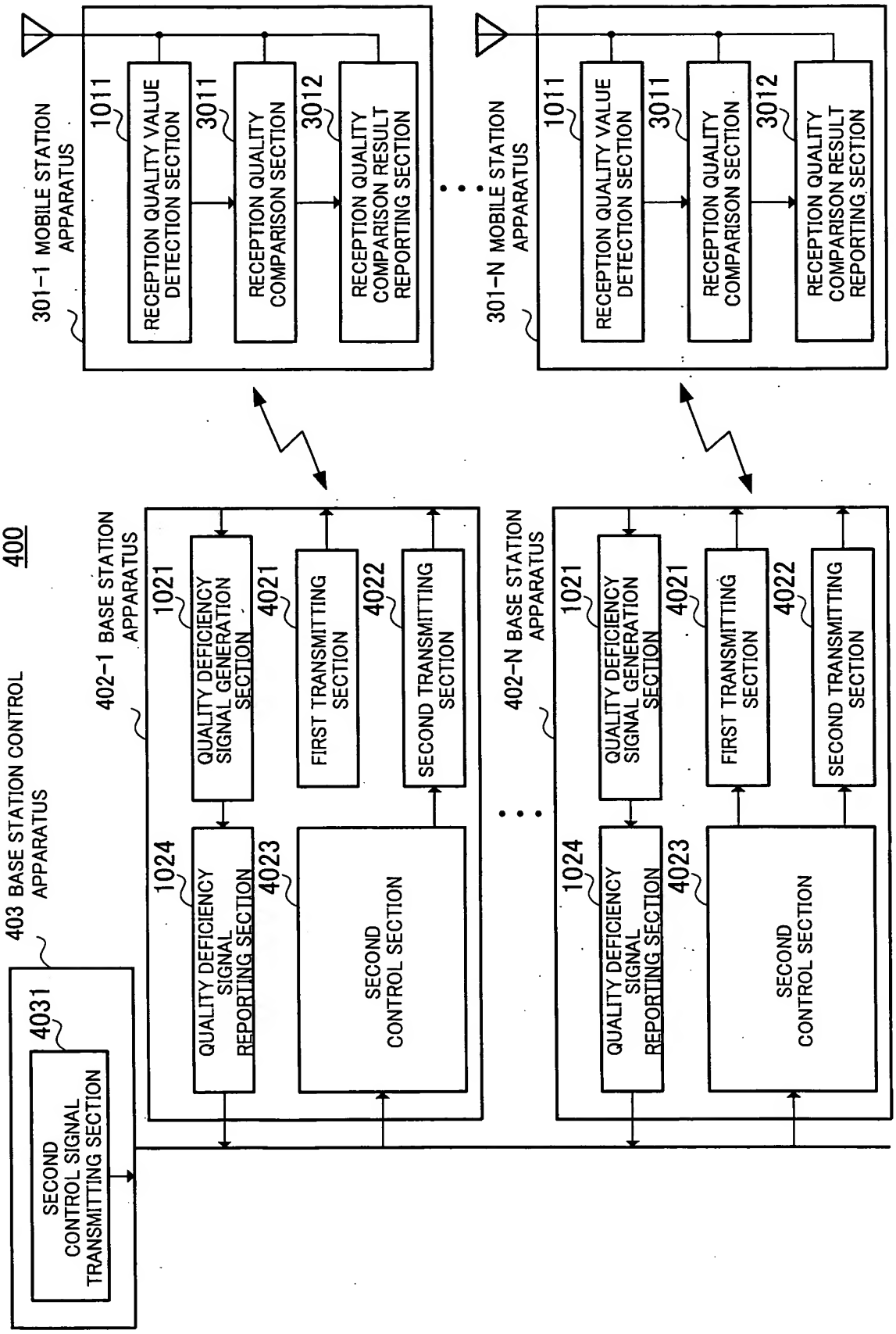
400
403 BASE STATION CONTROL APPARATUS
4031
SECOND CONTROL SIGNAL TRANSMITTING SECTION
402-1 BASE STATION APPARATUS
1021
QUALITY DEFICIENCY SIGNAL GENERATION SECTION
4021
FIRST TRANSMITTING SECTION
4022
SECOND TRANSMITTING SECTION
1024
QUALITY DEFICIENCY SIGNAL REPORTING SECTION
4023
SECOND CONTROL SECTION
402-N BASE STATION APPARATUS
1021
QUALITY DEFICIENCY SIGNAL GENERATION SECTION
4021
FIRST TRANSMITTING SECTION
4022
SECOND TRANSMITTING SECTION
1024
QUALITY DEFICIENCY SIGNAL REPORTING SECTION
4023
SECOND CONTROL SECTION
301-1 MOBILE STATION APPARATUS
1011
RECEPTION QUALITY VALUE DETECTION SECTION
3011
RECEPTION QUALITY COMPARISON SECTION
3012
RECEPTION QUALITY COMPARISON RESULT REPORTING SECTION
301-N MOBILE STATION APPARATUS
1011
RECEPTION QUALITY VALUE DETECTION SECTION
3011
RECEPTION QUALITY COMPARISON SECTION
3012
RECEPTION QUALITY COMPARISON RESULT REPORTING SECTION

FIG.5

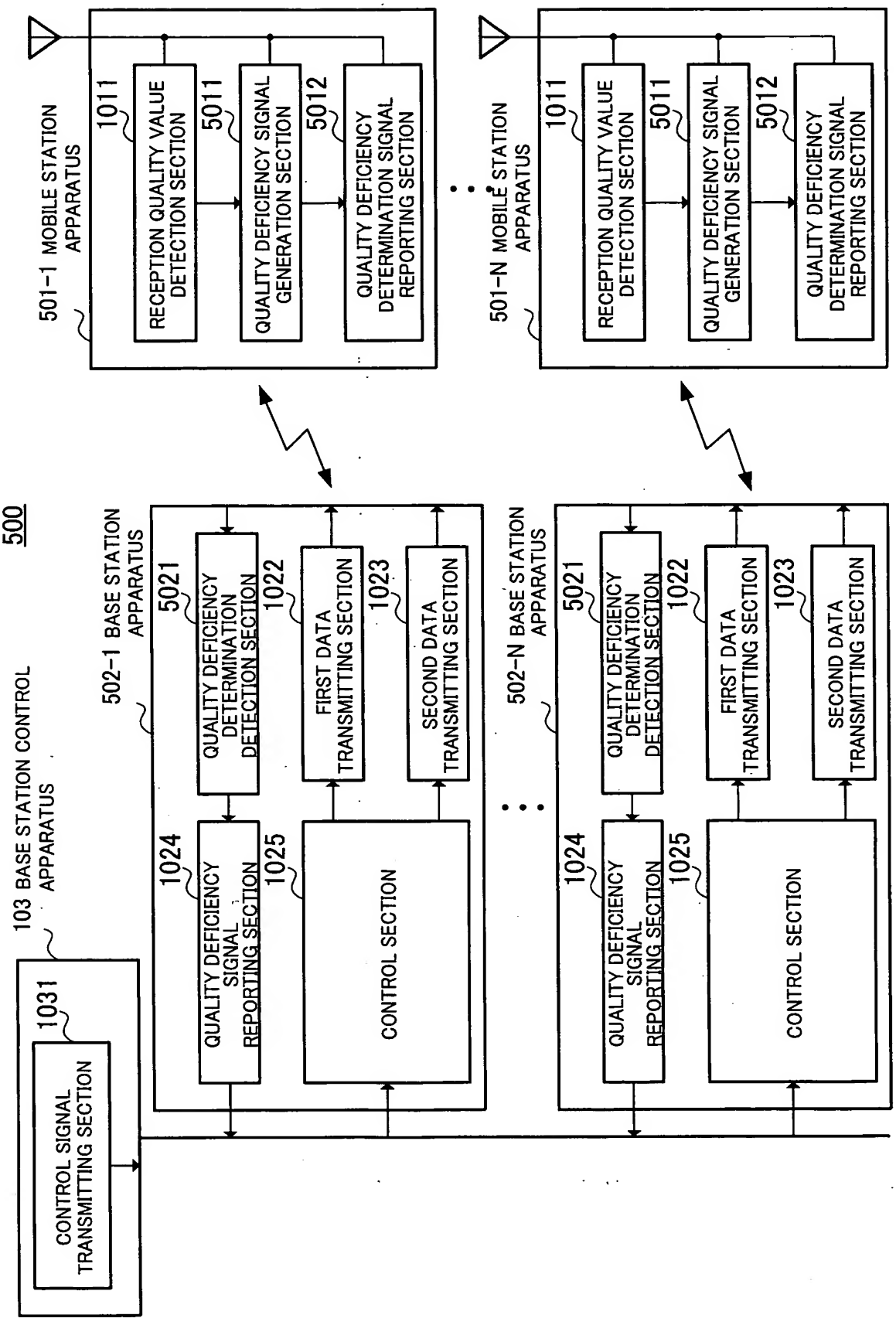
500
103 BASE STATION CONTROL APPARATUS
1031
CONTROL SIGNAL TRANSMITTING SECTION
502-1 BASE STATION APPARATUS
5021
QUALITY DEFICIENCY DETERMINATION DETECTION SECTION
1022
FIRST DATA TRANSMITTING SECTION
1023
SECOND DATA TRANSMITTING SECTION
1024
QUALITY DEFICIENCY SIGNAL REPORTING SECTION
1025
CONTROL SECTION
502-N BASE STATION APPARATUS
5021
QUALITY DEFICIENCY DETERMINATION DETECTION SECTION
1022
FIRST DATA TRANSMITTING SECTION
1023
SECOND DATA TRANSMITTING SECTION
1024
QUALITY DEFICIENCY SIGNAL REPORTING SECTION
1025
CONTROL SECTION
501-1 MOBILE STATION APPARATUS
1011
RECEPTION QUALITY VALUE DETECTION SECTION
5011
QUALITY DEFICIENCY SIGNAL GENERATION SECTION
5012
QUALITY DEFICIENCY DETERMINATION SIGNAL REPORTING SECTION
501-N MOBILE STATION APPARATUS
1011
RECEPTION QUALITY VALUE DETECTION SECTION
5011
QUALITY DEFICIENCY SIGNAL GENERATION SECTION
5012
QUALITY DEFICIENCY DETERMINATION SIGNAL REPORTING SECTION

FIG.6

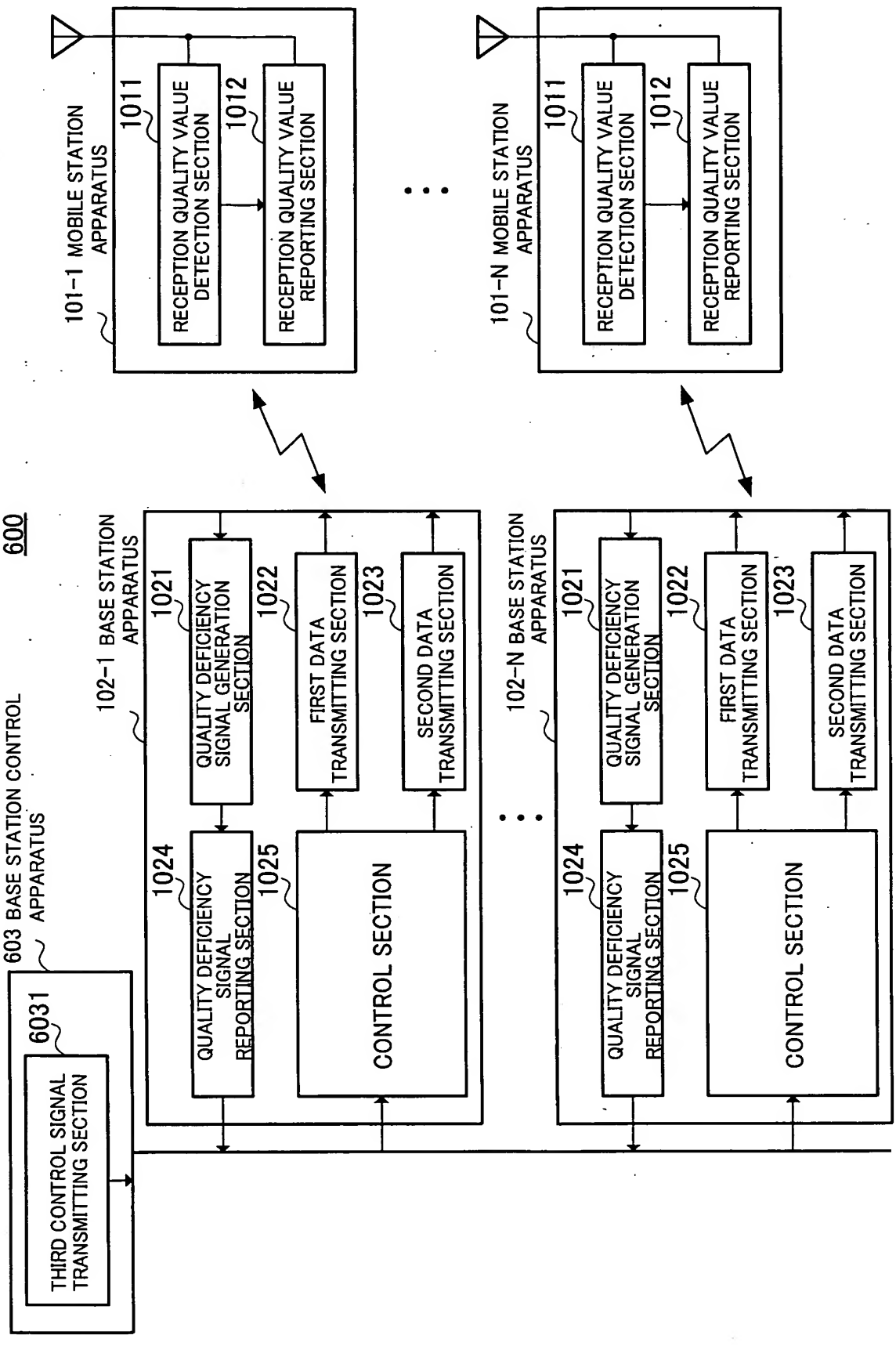
101-1 MOBILE STATION APPARATUS
1011
RECEPTION QUALITY VALUE DETECTION SECTION
1012
RECEPTION QUALITY VALUE REPORTING SECTION
101-N MOBILE STATION APPARATUS
1011
RECEPTION QUALITY VALUE DETECTION SECTION
1012
RECEPTION QUALITY VALUE REPORTING SECTION
600
603 BASE STATION CONTROL APPARATUS
6031
THIRD CONTROL SIGNAL TRANSMITTING SECTION
102-1 BASE STATION APPARATUS
1021
QUALITY DEFICIENCY SIGNAL GENERATION SECTION
1022
FIRST DATA TRANSMITTING SECTION
1023
SECOND DATA TRANSMITTING SECTION
1024
QUALITY DEFICIENCY SIGNAL REPORTING SECTION
1025
CONTROL SECTION
102-N BASE STATION APPARATUS
1021
QUALITY DEFICIENCY SIGNAL GENERATION SECTION
1022
FIRST DATA TRANSMITTING SECTION
1023
SECOND DATA TRANSMITTING SECTION
1024
QUALITY DEFICIENCY SIGNAL REPORTING SECTION
1025
CONTROL SECTION

FIG.7

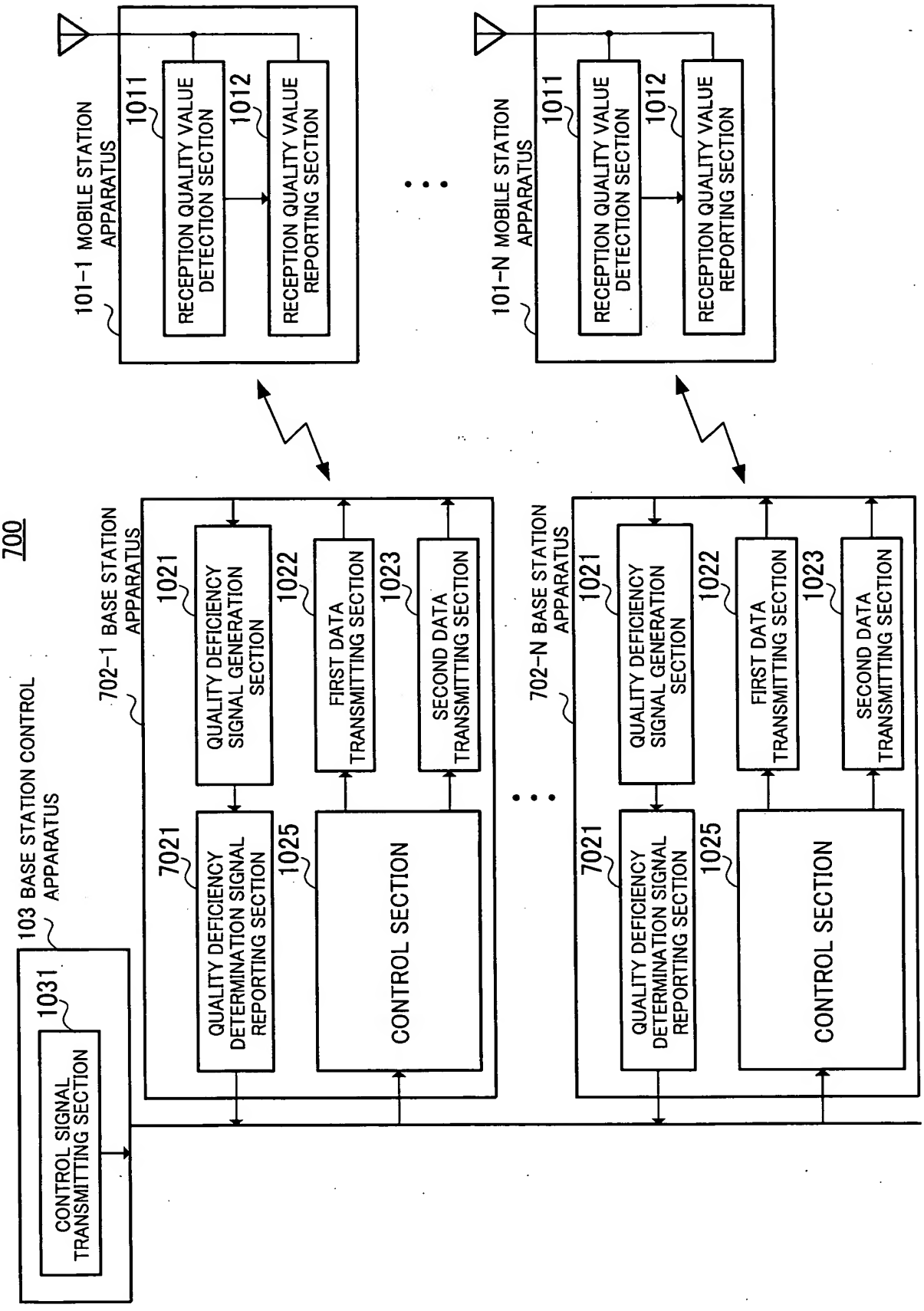
700
103 BASE STATION CONTROL APPARATUS
1031
CONTROL SIGNAL TRANSMITTING SECTION
702-1 BASE STATION APPARATUS
1021
QUALITY DEFICIENCY SIGNAL GENERATION SECTION
1022
FIRST DATA TRANSMITTING SECTION
1023
SECOND DATA TRANSMITTING SECTION
7021
QUALITY DEFICIENCY DETERMINATION SIGNAL REPORTING SECTION
1025
CONTROL SECTION
702-N BASE STATION APPARATUS
1021
QUALITY DEFICIENCY SIGNAL GENERATION SECTION
1022
FIRST DATA TRANSMITTING SECTION
1023
SECOND DATA TRANSMITTING SECTION
7021
QUALITY DEFICIENCY DETERMINATION SIGNAL REPORTING SECTION
1025
CONTROL SECTION
101-1 MOBILE STATION APPARATUS
1011
RECEPTION QUALITY VALUE DETECTION SECTION
1012
RECEPTION QUALITY VALUE REPORTING SECTION
101-N MOBILE STATION APPARATUS
1011
RECEPTION QUALITY VALUE DETECTION SECTION
1012
RECEPTION QUALITY VALUE REPORTING SECTION

FIG.8